

NATURAL RESOURCES CONSERVATION SERVICE
CONSERVATION PRACTICE SPECIFICATION
WASTE STORAGE FACILITY
(no.)
CODE 313

SCOPE

The work shall consist of furnishing material for and constructing a waste storage facility to the lines, grades, elevations, and dimensions as shown on the drawings and in accordance with these specifications.

SITE PREPARATION

The entire pond or tank area shall be cleared of all trees, brush, roots, sod, soil containing excess amounts of organic matter, and other objectionable materials and disposed of at sites away from the area of work.

Clearing and disposal methods shall be in accordance with applicable state and county laws with due regard to the safety of persons and property.

Foundation areas shall be kept free of standing water when fill or concrete is being placed.

EXCAVATION

Excavations shall be to the lines and grades as shown on the plans or as staked in the field.

Excavated materials may be used in embankments or other fill areas. Excess material shall be wasted at locations noted on the drawings or as staked in the field.

EMBANKMENTS

Construction of embankments required for this practice shall conform to the requirements of Practice Specification No. 378 Embankment Ponds unless specifically excepted.

CONCRETE

Construction of reinforced concrete shall conform to the requirement of Conservation Construction Specification, HI-106 Concrete.

CONCRETE BLOCK

Construction of concrete block installations shall conform to the requirements of Conservation Construction Specifications, HI-118- Concrete Block.

STRUCTURAL BACKFILL

Materials

The fill material shall be free of organic matter and other objectionable material. Backfill material around pipes shall contain no rocks greater than 1 inch.

Placement

Selected backfill material shall be placed around structures and pipe conduits at about the same rate on all sides to prevent damage from unequal loading.

The placing and spreading of fill material shall be started at the lowest point of the foundation. The fill shall be brought up in horizontal layers of such thickness that adequate compaction can be obtained.

Fill shall not be placed until the following time has elapsed after concrete placement:

Walls or slabs	14 Days
Conduits, Precast, Cradles	2 Days
Conduits, Precast, Bedded	1 Day

The fill shall be placed in a manner adequate to prevent damage to the structure and allow the structure to gradually and uniformly assume the backfill loads. The fill shall be placed in not more than four-inch thick layers.

Moisture Content

Water shall be added to the fill material, if necessary, to obtain the proper moisture for compaction. The soil moisture of the fill material shall be sufficient to hold a ball shape when squeezed in the hand, unless otherwise stated and shown on the drawings.

Compaction

The fill material shall be compacted to a density equal to that of the adjacent materials. Compaction shall be accomplished by hand tampers or other acceptable means. Heavy equipment shall not be operated within two feet of any structure.

The passage of heavy equipment will not be allowed over any type of conduit until the backfill has been placed above the top surface of the structure to a height of two feet.

Surface Drainage

After the backfill operations have been completed, the surface area shall be graded to convey any surface runoff away from the structure.

WARNING SIGN AND FENCING

A warning sign shall be posted in a clean visible location to warn that the structure may contain poisonous gas and hazardous material.

Fencing shall conform to the requirements of Practice Specification 362- Fencing.

VEGETATIVE COVER

A protective cover of vegetation shall be established on the disturbed area. The planting of vegetative materials shall conform to the requirements of Practice Specification 342- Critical Area Planting.

CONSTRUCTION OPERATIONS

The completed work shall conform to the lines, grades and elevations shown on the drawings or as staked in the field.

Construction operations shall be carried out in such a manner and sequence that erosion and air and water pollution are minimized and held within legal limits.

The owner, operator, contractor or other persons will conduct all work and operations in accordance with proper safety codes for the type of construction being performed with due regards to the safety of all persons and property.

Appropriate safety measures, such as warning signs, rescue facilities, and fencing, shall be provided.

SAFETY

Landowners or operators, sponsoring organizations, and contractors shall be liable for damage to utilities and damage resulting from disruption of service caused by construction activities. The Natural Resources Conservation Service makes no representation on the existence or nonexistence of any utilities. Absence of utilities on the drawings is not assurance that no utilities are present at the site.

It is the responsibility of the landowner or operator to determine if there are buried or overhead utilities in the vicinity of the proposed work. They should take proper procedures to insure that the utilities shall not be jeopardized and that equipment operators and others will not be injured during construction operations.